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# PATENT COOPERATION TREATY





# **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P02-0031PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No. PCT/JP2003/003669	International filing date (day/month/year) 26 March 2003 (26.03.2003)		Priority date (day/month/year) 28 March 2002 (28.03.2002)	
International Patent Classification (IPC) or n C08G 73/00, C08F 299/00 // C0	lational classification and I 7C 231/02, 233/40, B82	PC 2B 1/00, 3/00		
Applicant COMMUNICATIONS RESEARCH	I LABORATORY, IN	DEPENDENT	ADMINISTRATIVE INSTITUTION	
This international preliminary exan     and is transmitted to the applicant a	nination report has been pro according to Article 36.	epared by this Inter	national Preliminary Examining Authority	
2. This REPORT consists of a total of6 sheets, including this cover sheet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of a total of 14 sheets.				
3. This report contains indications re	lating to the following item	is:		
I Basis of the report				
II Priority				
*** <u> </u>		novelty, inventive	step and industrial applicability	
IV \(\sum \) Lack of unity of in		1	i-vestive etch or industrial applicability:	
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain documents cited				
VII Certain defects in the international application				
VIII Certain observations on the international application				
Date of submission of the demand		Date of completion	on of this report	
28 October 2003 (28.10.2003)		03	February 2004 (03.02.2004)	
Name and mailing address of the IPEA/I	ЛР	Authorized office	, , , , , , , , , , , , , , , , , , ,	
Facsimile No.		Telephone No.		



### PCT/JP2003/003669

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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. With re	egard to	the elements of the international application:*	
	the inter	national application as originally filed	
$\square$	the desc	iption:	and a simple filed
<u> </u>		1-4, 12-26, 28	, as originally filed , filed with the demand
	pages	27	
	pages	5-11 , filed with the letter of	23 January 2004 (23.01.2004)
$\boxtimes$	the clai		
		1.4.6.10	, as originally filed
	pages	1-4, 6-10 , as amended (togethe	er with any statement under Article 19
	pages		
	pages	5, 11-36, filed with the letter of	23 January 2004 (23.01.2004)
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	pages		, filed with the demand
	pages pages	, filed with the letter of	
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∐'	the seque	nce listing part of the description:	, as originally filed
	pages	Cl. 1	, filed with the demand
	pages pages	, filed with the letter of	
the i These	the late or 55 th regar liminary contact filed furnifurnifurnifurnifurnifurnifurnifurni	It to any nucleotide and/or amino acid sequence disclosed in the interexamination was carried out on the basis of the sequence listing: ined in the international application in written form.  It together with the international application in computer readable form. Shed subsequently to this Authority in written form.  It is subsequently to this Authority in computer readable form. Statement that the subsequently furnished written sequence listing does national application as filed has been furnished.  It is an animal sequence disclosed in computer readable form is identifurnished.	Rule 23.1(b)).  ary examination (under Rule 55.2 and/ national application, the international not go beyond the disclosure in the
in	This beyone this reg	the description, pages the claims, Nos 37 the drawings, sheets/fig report has been established as if (some of) the amendments had not been made and the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).*  Int sheets which have been furnished to the receiving Office in response to an interest of the containing such amendments must be referred to under item 1 and the mement sheet containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1 and the containing such amendments must be referred to under item 1.	nvitation under Article 14 are referred to o not contain amendments (Rule 70.1



### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/JP2003/003669

IV. Lack of unity of invention				
1. In response to the invitation to restrict or pay additional fees the applicant has:				
restricted the claims.				
paid additional fees.				
paid additional fees under protest.				
neither restricted nor paid additional fees.				
2. This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.				
3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is				
complied with.				
not complied with for the following reasons:				
See supplemental sheet				
<ol> <li>Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report:</li> </ol>				
all parts.				
the parts relating to claims Nos				

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Internation pplication No.
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Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: IV. 3.

Nanoparticles having a shell structure (claims 2-13, 23-29 and 34, and claims 1, 16-22 and 30-33 in as much as they refer to nanoparticles) and nanowires having a continuous structure (claims 14, 15, 35 and 36, and claims 1, 16-22 and 30-33 in as much as they refer to nanowires) are not considered to include the same special technical feature, and do not constitute a group of inventions so linked as to form a single general inventive concept. Therefore, these are different inventions and the number of inventions is two.

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V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	1-34, 36	YES
i		Claims	35	NO
	Inventive step (IS)	Claims	1-34, 36	YES
		Claims	35	NO
	Industrial applicability (IA)	Claims	1-36	YES
		Claims		NO

### 2. Citations and explanations

Document 1: JP 2000-063513 A (Toyo Ink Manufacturing Co., Ltd.), 29 February 2000

Document 2: EP 899286 A1 (Toyo Ink Manufacturing Co., Ltd.), 3 March 1999

The invention set forth in claim 35 is not novel over document 1.

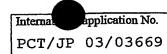
Document 1 discloses a polyamine type dendromer which has unsaturated bonds, and indicates that this dendromer can be hardened by exposure to active energy radiation. It also mentions that a known photopolymer sensitizer can be added (paragraph [0049]).

The invention set forth in claim 35 is not novel over document 2.

Document 2 discloses a polyamine type dendromer which has unsaturated bonds, and indicates that this dendromer can be hardened by exposure to active energy radiation. It also mentions that a known photopolymer sensitizer can be added (paragraph [0100]).

The inventions set forth in claims 1-34 and 36 are not disclosed in any of the documents cited in the international search report, and are novel and involve an





inventive step.	Specifically,	no document	discloses	a
"molecular devic	e".			
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